# TEMPEST AREA LIKE EGG WITH TWO YOLKS. MR. BLISS EXPLAINS

Storm Gathered Head in South Carolina, Swung Up Coast and Reached Reading, Hitting Philadelphia on Flank.

The heaviest storm of the summer," said George S. Bliss, Philadelphia weather foremater, today, "was due to the migration of a great egg-shaped storm area with two points of low pressure at the extremities, resembling a double volk." Since of the yolks was situated over Bouth Carolina last night and the other over Indiana. The egg-shape of the storm area was maintained during its progress. The southern yolk turned as if on a plyat during the night until it settled this morning over Reading and the western 'yolk' moved slightly northward over Michigan.

The great storm at Erie, according to Mr. Bliss, was a local condition entirely. White it was extremely damp all day yesterday the storm did not actually apment as such until it began to rain about a volock last night. The temperature at the same time began to drop and the vind velocity to increase.

The drop in temperature reached the maximum at midnight, when the mercury velocities of desires. The intensity of

reaximum at midnight, when the mercury registered 64 degrees. The intensity of the rain precipitation and the wind ve-locity continued on the increase until 4 in the same hour the same down in great a test driven by a 40-mile-an-hour gale, he wind veered in direction from norther at to routheast, the general direction repractorized by the weather officials as corectly. The average wind velocity for the 12 hours between 8 p. m. last night are it the same hour this morning was 25 m. less an hour. At the later time it was howing from the south at a velocity of owing from the south at a velocity of

Thies an hour.

The precipitation for the 12-hour period coured by the storm totaled 2.75 inches. Any precipitation for 12 hours that amounts to more than 2.00 inches is characterized by the weather officials as executive. The record 12-hour fall is 5.45 inches occurring August 1, 1898, 17 years are, almost to the day. At that time the record fall actually occurred in two hours. The rain as part of the great storm is over, according to Mr. Bliss. Probable showers is the forecast for today with little change in temperature.

#### PHILADELPHIA LOSES HEAVILY IN BIG STORM

Continued from Page One

Chestnut Hill line was blocked for one hour because of a break in the wire at Wanut lane and Germantown avenue, wire the Frankofrd cross-town line also was blocked for a similar period.

Chest and Darby Creeks have not been panigh in in years. For nearly their entire length they are above the banks.

Market street Cobbs Creek has fived the Pennsylvania Railroad freight in the end a lumber yard along the bank.

Wa kmen were called out of bed early today by the lumber company to salvage seands of feet of timber that was be JEWER RELOCATION HELD UP

Vork on the new sewer being con-stricted in connection with the subway for was temporarily checked at 6th and Walnut streets when the excavation was fleeded by the heavy rains. The first I made the passage of cars impossi-ble due to the weakening of the street, the 6th street lines were diverted the street from Fairmount avenue Crops Ruined, Traffic Crippled by Violent atreet.

old trees in fashionable Bitten to Square were torn up by the roots to squirrels who made their homes in was blown away by the tempest when ing to the ground.

OHOCKSING SEWER BREAKS.

At 6th and Wood streets a serious cave-

in occurred.
Excavations had been made there in

Excavations had been made there in the relocating of the sewers in connection with the new subway system.

The temporary sewer collapsed under the strain of thousands of gallons of water and flooded the section.

Ilundreds of workmen were rushed to the scene and are gradually restoring the me schorchood to its normal appearance.

A short time later another leak was decovered at 8th and Vine streets, flooding proportions swept over this section of the street of adjacent dwellings. The water rose so rapidly in the neighborhood of hoth breaks that occupants of the flooded homes started to pack up the household grown preparatory to moving out. At each point there was a cave-in in the street. The was roped off by policemen. Foundations of houses were endangered by the action of the waters.

LEAGUE ISLAND DAMAGED.

League Island lost many of its finest trees. Some of the newly planted saplings at the Navy Yard were torn up by the woots by the force of the gale, and iverst into the river. Considerable dames was done sions the river front by the battering of tons of debris swept down the stream.

League Island lost many of its finest trees. Some of the newly planted saplings at the Navy Yard were torn up by the roots by the force of the gale, and rivept into the river. Considerable damage was done along the river front by the battering of tons of debris swept down the arream.

down the stream.
Instruments at the Philadelphia Hydro-Electric Company reported a rise of three feet six inches in the Schuyikili River at a octock this morning.
The rain fall reported was 3.3 inches.
The creat of Flat Rock Dam was reported risen 19 inches, and Wissahlekon Creak was two feet above normal.

Creek was two feet above normal.

The schuytkill Navigation Company Canal broke in two places, one at Conscience, and the other at Green lane, Manayunk. The banks gave away before the convention waters and the released water washed out a large section of the embantments at both places.

On Main street, near Dawson, Manayunk, a sewer broke, fineding the streets to a depth of nearly three fast.

Cellars were stended and all trasse was empreed for several bury.

Pive motorboats, swept away from teathouses at Shawnont on the Schuytkill Elivey, were causin when they came near share at Saveral others are between to have been swamped in the river, moarthouses fit have been towned in the river. BOATHOUSES HIT HARD,

The loathouse colonies of Caindan and Constative word under water during the residence of the Pelaware Hiver today, and that fession, who in many cases are spending the number in these fragile habitations, were forced out and had to make anick those setting away. At Cooper Point the beathouses were descriped, and some or these residence of the property of the first or more on Big Timber Creek, Glaurester City, were likewise internate, and some of them were entirely allocated.

The seed toolley bridge across Big Tim-use Crack below Gloucester, was invisi-ing four fest under the backed-up water, no drailer trains to Woodbury, Mentina, Wastrille and office points in that direc-use cut off. The water backed up here or four blocks in Gloucester, all the

CAMBEN WINES DOWN. middle execut fact wires at the

before nightfall. Many trees were blown down or dismantied by the high wind. The big tent of the Parkelde Methodist Episcopal Church, at Princess and Kalshn avenues, was blown down. It held 1000 persons. The church had been holding ravival services there. The Parkelde Lutheran Church has offered the use of its building to help handle the crowds attending the Methodists' revival.

DELAWARE SHIPPING ESCAPES DELAWARE SHIPPING ESCAPES
So far as is known no serious damage was done to ships on the Delaware River by the storm. Boats going up and down the river anchored, and will remain anchored until the high wind which is aweeping the river subsides. Shippers declare that unless the wind subsides the water will be backed up negainst the piers when the high tide which prevails now will be in evidence again at 3 o'dock tonight.

PHONES OUT OF SERVICE. PHONES OUT OF SERVICE.

The Bell Telephone Company was a heavy loser through the storm. In Philadelphia only 1225 out of 155,000 telephones were put out of service, but in the outlying districts the number was much greater. In the Atlantic City-Wilmington-Norristown district a total of 8400 telephones was put out of commission, and in the Camden-Chester-Ogontz district the total was 1785.

MEDIA CROPS RUINED. The storm in Media was the worst seen there in 12 years. Crops were hadly damaged, telephone and telegraph wires were blown down. Trains and trolleys are not running according to schedule, and several mills on Chester Creek have

and several mills on Chester Creek have stopped work temporarily.

Farmers who depended on their corn crops will suffer a heavy loss. The entscrep, slac, suffered badly. The damage to crops was said to be all the more severs on account of a sudden shifting of the wind during the night.

The Yorkshire Mills and Brown's Mills.

The Yorkshire Mills and Brown's Mills, at Leani, have closed on account of the high water in Chester Creek. Chester Creek is reported to be still rising. Today, incidentally, is the anniversary of the great atorm of 1841 which swept that section of the country.

Birds of all kinds died by the thousands in the atorm. Every aguars in the city.

Birds of all kinds died by the thousands in the storm. Every square in the city was littered with their bodies today. Even the hardy English sparrows fell victims to the high wind and driving rain. The havoc was even greater among the song birds in the country regions surrounding this city.

#### CHESTER AND DELAWARE COUNTIES HIT BY TEMPEST

Number of Boats Sunk and Damaged by Storm.

CHESTER, Pa., Aug. 4.—The storm early this morning caused thousands of dollars of damage throughout Chester and Delaware Counties. Trees were beaten down in Chester and traffic delayed. In the county, cornfields were laid flat, fruit and branches blown from trees and some trees uprooted. Trolleys were held up, the longest delay occurring

were held up, the longest delay occurring at Brookhaven, where it required nearly three hours to reopen traffic.

Many small craft and several fine pleasure boats were sunk along the Delaware River front. The Alpha, West End and other boat clubs were sufferers.

Many of these boats were swamped and while their fittings are badly damaged they can be raised. City Solicitor A. A. Cochran's fine aux-

City Solicitor A. A. Cochran's line auditiary yacht, the Dorothy G., sank of Welah street and later the Myra, a boat of the same type, owned by City Commissioner C. H. Mould, was swamped. The Myra is lying on top of Cochran's boat, which is thought to be badly daments. Efforts are being made now to

### \$100,000 DAMAGE WROUGHT IN LANCASTER COUNTY

lent Tempest.

LANCASTER, Pa., Aug. 4 -- A storm The squirrels who made their homes in the branches scampered among the wrickage today, forforn and homeless. The famous Rittenhouse Square owl is raicaing. It is thought that perhaps it was done to telegraph and electric car wires, the Mount Joy and Coateaville lines being put out of service for some time. The damage to the corn and to-bacoo crops is enormous. From all parts Cid Cohocksink sewer, always troubletome in flood times, sprung a leak at

the and Thompson streets about dawn
and surrounding cellars were flooded.

STREET CAVES IN.

At 6th and Wood streets a perious cave-

#### TEMPEST DESTROYS CROPS ON CHESTER COUNTY FARMS

### CROPS DAMAGED TWENTY PER CENT. IN BERKS COUNTY

State Road Near Kutztown Will Have to Be Rebuilt.

READING. Pa., Aug. 4.— Damage amounting to many thousands of dollars was suffered by farmers of Berks County in the storm last night and early today. Acres of corn, cats and other crops were leveled and in most instances are a total loss. Oats which had been out but left in sheaves in the fields have begun to sprout or are water scalled.

From reports received from various parts of the county, Lawson G. Pietrich, State crop observer, stated that whereas he has estimated the yield at 11d per cent—above the average—at the beginning of the month, his next report will be shout be per cent.

Fotatoes have begun to ret in the ground and thousands of bushels of untiple fruit have been stripped from the trees, the apple and plum crops being the greatest sufferers. Hundreds of chickens periabed in the cold, drenching rain and many farmers report saving their flocks by drying them in ovens after they had dropped over in the storm.

The damage to the peach crop is not believed to be great. Many fruit and shads trees, bowever, were snapped off at their roots. Hosds in many sections were washed out and the State road in the vicinity of Kutslewn was so hadly damaged that it will have to be respective.

### CAPTAIN AND SAILOR LOST IN SANDY HOOK SHIPWREEK

Lifeboat Smashed to Pieces Whon They Attempt Launching.

FORT RANCOUN, N. J. Aug. 4.—Cap-ain Tuitle, of the American steamship f. V. S. Chase, and B. Martin, a mem-er of the orest, wars lost foday, when in this foundered in a storm off Saudy

# FLOOD KNEE-DEEP AT 63d AND MARKET STREETS



The picture shows the yards of the Derr Lumber Company, where operations were seriously interfered with by a small sea of surging water.

Cuttle's boat was wrecked when a land-ng was affempted. Coast guards res-ued one of the boats. cued one of the boats.

The steamer was bound for Norfelk from Nova Scotia with a cargo of plaster. The vessel was an old one, built in Baltimore, and was owned by Pendleton Brothers. She had a tonnage of 457.

#### GREAT HAVOC IS PLAYED ON FARMS NEAR HARRISBURG

Acres of Corn Leveled and Fruit Blown From Trees.

HARRISRURG, Aug. 4 .- Thousands of dollars' worth of damage to farms was done by a heavy rain and wind storm which awept Harrisburg and surrounding country last night and early today. Hundreds of acres of corn were leveled and bushels of peaches and apples blown from the trees, especially in the Cumberland Valley district.

Farmers who had their oats still in the fields lost heavily, as the sheaves were scattered, and in some instances washed away. Thousands of young washed away. Thousands of young chickens were drowned, and in som-places small bridges were carried away In Harrisburg hundreds of telephone and

In Harrisburg hundreds of telephone and electric light wires were blown down, and John Plank, a huckster, driving to market, was perhaps fatally shocked when a live wire struck him on the head. He was found unconscious in his wagon. In Capitol Park and the city parks, as well as the streets, scores of big trees were uprooted. Overflowing sewers filled so many cellars that the fire department has been asked to assist in pumping them out in low sections and Councilmen already have taken measures looking toward permanent relief in these quarters. ward permanent relief in these quarters. No very serious property damage was done in the city aside from that suffered by the electrical companies.

#### FRUIT TREES AT NORRISTOWN STRIPPED OF THEIR BEARING

Tents Erected by Carnival Company Are Blown Down.

NORRISTOWN, Pa., Aug. 4.—A terrific rain and wind storm visited Norristown last night, and this morning the streets were strewn with branches of trees. While some damage was done, there were no serious results. The storm broke gently over the town about 5 o'clock last night and increased in fury. It was not until 7 o'clock this morning that the wind died out and the rain stopped falling. Window panes were blown out in stores in the business section and shade and fruit trees suffered greatly.

Fruit trees in and around Norristown were almost robbed of their bearing. The condition of the track of the Norristown Driving Club, near Jeffersonville, was such that the races billed for today were postponed until tomorrow. Many tents erected by a carnival company at the park to provide amusements for the horsemen were blown down and the carnival is a wreck.

#### POWDER PLANT FLOODED AT CARNEY'S POINT

Wilmingtonians Marooned on Fenton's

Beach When Pier Goes.

WILMINGTON, Del., Aug. 4. — The storm of last night did immense damage in this section. Reports from the lower part of the State show that corn was leveled and in many cases ruined and peaches and apples were damaged. There was some damage to buildings.

A portion of the du Pent Powder Plant at Carney's Point, opposite this city, is fleeded and it has been necessary to stop work for the day in some departments. At Fenton's Beach just below the powder plant, the pier was washed away and the beat that runs there was unable to make a landing. a landing.

A number of Wilmingtonians are ma-roomed there. It is impossible to learn if any other damage was done, as the tele-phone lines to the place are down.

Damage to telephone and other wires was done in this city. On the river small boats were torn from their meerings and several have been seen floating bottom

at New Castle the telephone exchange was disabled for a time. One thousand telephones are out of service in rural

was disabled for a time. One thousand telephones are out of service in rural Delaware.

Pennsgrove appears to have suffered the most. There was four feet of water at one time in the barroom of French's Hotel. The camp of the du Font Powder Company was overflowed and the men lodged there were compelled to get out. The clothing of the most of them was scaled and they were compelled to leave all but what they had on at the time. Cabins were wrecked and scattered about, but there was no serious damage to property immediately in town.

The tracks of the Pennsylvania Railroad from Pennsgrove to the powder plant were washed out and trains could not be run. The top surface was washed off the readway of the ferry pier at Fennsgrove, but boats continued to run as usual. There was also considerable damage done to roads in that section. At Newark there was damage to telephone wires and drops in that section suffered. The same state of affairs prevalled in Wilmington.

Several car fleats of the railroad companies doing business here overturned in the river and the cars they carried as

panies doing business here overtired in the river and the cars they carried are believed to have been lost. They were tied at piers when the storm occurred, but no one was on board.

Conshohocken Houses Unruofed Consholocket Houses Unreeted NORRISTOWN, Pa. Aug. 4 Roofs of five houses on Spring Mill avenue, Conshelocken, were torn off by the gale this morning. The houses belonged to William Stiller, Timothy Ford, William Bannes, William Barnes and Charles Royrouse Damass is between 1200 and 1000. Wreshage of roofs, was deposited into the attest, wonderely blocking it.

#### ATLANTIC CITY EXPERIENCES 40-MILE GALE ON BOARDWALK

Shore Guests Never Will Forget Rage of Stone Northeaster.

ATLANTIC CITY, Aug. 4.—Thousands of visitors from inland cities who had never experienced the violence of a full-grown northeaster on the Atlantic shore probably never will forget last night, when the violent wind kept the big shore city in a turmoil. city in a turmoil.

Between midnight and morning the

gals, which grew in violence as night progressed, attained a velocity of 35 miles an hour, according to official wind guages, which spells from 40 to 50 miles an hour on the Boardwalk.

A deluge of rain fell for hours, while the terrific wind gusts shook the smaller hotels, played havoc with wires, amashed trees and did other damage throughout the city.

From hotel windows the big waves solling seaward appeared to be literally breaking over the boardwalk, and this was no illusion at points along the beach where failure of city officials to carry out promised jetty plans for defense have laid the famous promenade open to at-

Parties on their way to hotels from th cates after 2 o'clock this morning had terrifying experiences, for the terrific wind gusts whipped rolling chairs out of wind gusts whipped rolling chairs out of the grip of attendants and sent them careening drunkenly along the planks. Some were hurled against the board-walk railings with a smashing of glass windows, while others were overfurned to the consternation of feminine occu-pants. There is no record of personal in-

juries suffered, but handsome costumes were ruined. Before noon the sun made its appear-ance after an absence of 48 hours, and thousands of visitors appeared on the

Boardwalk. The tide was particularly high on the Ventnor beach, where the waves broke over the bulkheads. Here the tide washed up the avenue ends and in places flooded lawns. On the meadow side of the city the marshes were transformed into a five-mile wide lake, submergius the troi-ley lines and tearing losse many private yachts as well as inundating boathouses. yachts as well as inundating boathouses. In the city proper it appears as if the great resort has pulled out of the blow thus far with its accustomed good fortune. The wind, however, is gtill doing 30 miles an bour and will hold that pace throughout the day, in the opinion of Weather Observer Judkins. Thousands

to fruit trees which will run into many thousands of dollars. Many streams have left their banks. Silver Creek, a moun-tain stream, carried away a dwelling in the course of construction near New

A sewer on Minersville street, this city, being too small to carry away the in-creased volume of water, undermined the rear wall of the brick residence of Mrs. Cyrus Schell, and the building is gradually crumbling away. Adjoining dwell-ings are threatened. Railway and trolley traffic has been

rippled. The collieries are idle, in accordance with an order to stop last evening and to resume Thursday. Little damage was done to them.

Telephone service was badly damaged Reuben Meyer, of Shenandoah, stepped upon a live wire at the rear of his home early this morning and was killed.

### YORK COUNTY IN GRIP OF GALE AND RAIN

Tempest So Strong That Roof of House Is Carried Away.

YORK, Pa., Aug. 4.—High winds, light-ning and rain caused heavy loss to property and growing crops in this section last night and early today. The tin roof over the store of L. P. Gross, a station-ery dealer near Centre Square, was carried away and his stock ruined to the extent of several thousand dollars. The Cororus Creek swelled so rapidly that campers near Hoke's mill were awakened from their sleep by the water which had surrounded their tents and they had to wade to safety leaving their equipment behind.

Throughout the county well-developed cornstalks were leveled to the ground and a considerable part of the ruined crop will have to be replanted. Lightning rendered one person unconscious and stunned three others in the hotel at the Summit Grove

A bolt destroyed the large barn, wagon shed and hog stables on the farm of Jonas Miller, in North Cordorus township, together with crops and eight head of live stock. One cow was burned so badly that it had to be killed, and a large quantity of grain was consumed when lightning struck the barn on the farm of Robert Selbel, near Shrewsbury In every section of the county the roads

have been washed out and it will require some time for the necessary repairs to be

Storm Hits Delaware City

one deady on the Boardwalk, reveling in the aplendid spectacle spread before their eyes.

ONE DEAD, MUCH DAMAGE

IN SCHUYLKILL COUNTY

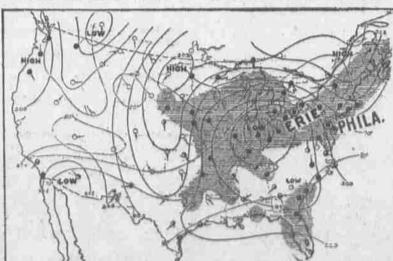
Pottsville Suffers Much From Storm and Rain.

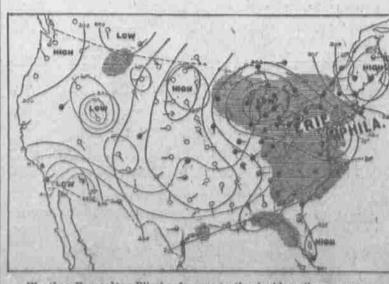
POTTSVILLE, Pa., Aug. 4.—A wind traveling at 60 miles an hour from the east raged all night in this region, causing damage to oat and corn fields and selections.

Storm Hits Delaware City

DELAWARE CITY, Del., Aug. 4.—The heaviest storm in years struck this city early this morning. The wind reached hurricane proportions. Trees were uprooted, barns blown down and houses damaged by falling trees. Two small yachts sank in the harbor, but the crews escaped. Corn, tomatoes and fruit crops were ruined. The United States mine planting boat No. 17 sank at Fort du Pont wharf. Fort Mott wharf was partially washed away. Telephone lines were torn down, high tide blocking roads and doing much damage on river front. The loss is estimated at about \$20,000.

### DIAGRAMS SHOW STORM PROGRESS





Weather Forecaster Blins' reference to the double-yolk egg construction of the storm area can readily be understood from a glance at the two maps. The one above, the official map for yesterday, shows conditions when the storm started. The "egg" extends from Indiana with a "yolk" of low pressure there to South Carolina with another "yolk" there. The map below is the one for today and shows the conditions this marring. The egg shape of the storm area is still apparent, but the upper "rols" of low pressure has moved north over Michigan, while the lower yolk of low pressure has awant up the coest and central over Residing.

### 100 LIVES BELIEVED LOST IN ERIE FLOOD

Continued from Page One

rescuers, firemen and policemen were all but futile, as the debris, floating on the 35-mile current, made even a venture into the edge of the water fatal.

The waters rose with incredible swift-ness after last night's downpour, and a stream was soon racing down French street at the rate of 20 miles an hour. Barrels, boxes, pleces of porch furni-ture and great trunks of trees were be-ing rolled along before the current, carry-ing everything before them. The water poured into cellars, tore away great sec-tions from the banks of the creek and be-gan its work of undermining the struc-tures built closest to its banks.

EFFECTIVE RESCUE WORK.

EFFECTIVE RESCUE WORK.

Every fireman and every available policeman was doing duty in the stricken districts. Men, women and children were taken from endangered buildings by means of ropes, ladders and pieces of lumber hastily pressed into service. At one corner three women, caught in the great sweep of water, were thrown of their feet, but were finally rescued by strenuous efforts of the pedeatrians.

The body of Mrs. John Higgins, with the body of her li-month-old infant clasped in her arms, was found this morning by the rescuers. Previously the body of her husband was found on a lawn near Mill Creek.

Fireman John Schweitzer had his legs

Fireman John Schweitzer had his lega crushed while trying to turn heavy wreckage so that the flood would not rush higher than three feet in State street, the main business thoroughfare. As he got into the water a mass made by two bridges coming down the torrent engulfed He was dragged out with ropes.

Six bridges on the line of the flood were carried away and wreckage of brick buildings was piled 30 feet high in places.

DIES TRYING TO SAVE CHIEF. When the flood was raging at its height many heroic rescues were made by fire-men, policemen and civillans. Three times men, policemen and civilians. Interfire Chief McMahon was himself rescued, after having carried women or children to safety. It was by a man's breadth,
on the last occasion, that he and three
other firemen escaped with their lives.
It was here that Donovan was killed.
They were carrying people from a house in the south end when it toppled over.

The Jarecki iron plant has been turned into a temporary morgue, as it is near the heart of the flooded district. Whole families are missing in the flood

whole lamines are missing in the most sone, which is 200 yards wide through the residence and business district.

The eastern portion of the city was out off nearly all night, but early today com-munication was established with that sec-tion. A five-foot wall of water surrounded the flood zone during the night The flood was worst in the Mill Creek Valley. The stream runs through the centre of the city. Four Mile Creek also ran wild.

SUMMER PARK DESTROYED

At the mouth of Four Mile Creek i the summer park of that name. All buildings there—theatre, refreshment hall and several amusement places—were swept over the high bluff into the lake. A company of 12 vaudeville artists lost everything and narrowly escaped with their lives.

their lives. On East 19th street, one and a half blocks from State street, debris was piled 20 feet high. It consisted of parts of broken frame dwellings. On East 11th street a house was deposited squarely on street a nouse was deposited squarely on the street railway tracks. Almost the same conditions prevailed on other cross streets for a distance of two miles. A public dining room to feed the home-less was opened at noon by the Mayor in the building of the Fire Mayor.

the building of the Erie Herald. RAILROADS TIED UP.

The tracks of the New York Central Railway and the Nickel Plate Railway were washed away at Wesleyville, three miles east of Erie. Crews of 400 men worked for 15 hours restoring one of the four tracks of that road, and transcon-tinental trains were moving shortly beinental trains were moving shortly be fore 10 o'clock this morning. By that time 20 through trains were congested on either side of Four-Mile Creek, near Wes-

The east and westbound Twentieth Century trains were in the number. Traffic cannot be resumed on the Nickel Plate under 10 days. In places the track is washed away and overturned for a quarter of a mile. Nickel Plate trains will use New York Central tracks.

Health Officer Wright this afternoon issued a public warning against possible

### epidemics. E. M. HOPKINS SPEAKS ON EMPLOYMENT WORK

Bad Business to Hire and Discharge Employes in Large Numbers," He Tells Rotary

E. M. Hopkins, employment manager of the Curtis Publishing Company, was the speaker at the weekly luncheon of the Rotary Club, at the St. James Hotel, todaq. David B. Provan, manager of the Adelphia Hotel, presided.

Mr. Hopkins spoke on "Present Employment Work as a Factor in Industrial Efficiency." He said that managers of big business concerns in Philadelphia have almost perfected the mechanical ends of their work and were ceming mere and more to recognize the personal equation, that is, the hiring and discharging of men.

"It is bad business to hire and discharge employes in large numbers," he said, "be-cause it involves a loss of time and money and hampers the efficiency of the plants. The thing to do is to find the proper man for the proper place and promote him along the lines with which he is most familiar."

Air. Hopkins said that next fall an association would be formed by the inshagers of large plants in this city far the study of employment problems. He predicted great changes in employment systems, declaring the practice of allowing formens and subforment to hire and disforemen and subforemen to hire and dis-charge at will would be discontinued.

### SHIPS CRASH IN STORM

Barge and Steamboat Collide Near Reedy Island.

The Norwegian steamship Taber and the harge Tottenville, crashed into each other during the storm early today below Reedy Island, in the Delaware Bay. A large dent was made in the steamer's plate afts and the barge was alightly damaged. Much excitement was caused by the collision, which came when the storm was at its height. The Tottenville and another bargs, the Northeast, were being towed by the tug Wellington, bound for Jacksonville, Fig., when the tempest forced them to anchor below the island. The heavy wash caused the Tuttenville to drift through the darkness into the Tabor, also at auchor. The stammanip will probably put into Norfel's for repairs.

Delaware Orchards Suffer Delaware Orchards Suffer DOVER, Del., Aug. t.—The worst wind and rain storm of the senson swept over this section of Kent County last night, insyling ruin in its wake in the rural sections. Frees were blown down, root blown off, beaus and cornelain flattened as though a steam ruber but passed ever them. Thousands of bushele of applies seather and pears were blown from the trans and the heaviest less will be seen talled by the first growers on this account.

# PENNSY'S LOSS GREAT: READING LITTLE HURT

Erie and Jackson Washouts Isolate Pennsylvania Train Many Wires Down.

The storm probably will cost the Pans. avivania Railroad thousands of dollars. but the Philadelphia and Reading Ranway escaped with little damage. cording to the report of the general perintendent of the Pennsylvania, leaged at noon, one train is cut off from all communication by two washouts between Jackson and Erie, Pa., and dozena at washouts have been reported.

Fifty-five passengers are on the implace rain. The conductor reached Belle Va ley at dawn today and made a report

Later a washout in the valley cut dow the remaining wires and since then ficials of the road have not been able a get into communication with the train The conductor reported that the passes gers are being fed with bread that happened to be in the express car. The train, a local, carried no dining car.

All wires to Erie were lost at 2 o'cleat this morning, the general superintender, report says. The freight varies there are under many feet of water. There is 20-foot washout at 5-mile curve, can g Erie, and another 2000 feet wide cast of Jackson. At some points the washout are 25 feet deep.

Two cars of a freight train were carried away for a distance of 200 feet by flood waters near Jackson. For miles

flood waters near Jackson. For miss the Pennsylvania tracks are littered with debris. At some points the rails sin hang over guilles washed out by the flood waters, but the ties have been rippel

Northern division and 16 from the East-ern division were sent out with all available workmen to make repairs this mon ing. The officials hope to have all line reopened late this afternoon.

Twenty-five cars of material from the

reopened late this afternoon.

Virtually the only damage suffered by the Reading was at Valley Forge, when workmen had been repairing after a washout that occurred several days ago. When the flood waters struck this point all the work done was swept away, learing conditions worse than before. A fee poles were blown down, but the total leg to the railway is said to be trifling.

## BRITISH NOT ABLE TO USE ARMY UNTIL NEXT YEAR

Continued from Page One

French fears that a depletion of his ammunition in a futile drive might later permit the Germans to get through the Braish lines to Calais. Virtually all the ammunition the English possess must be husbanded for defensive use on this as count. ONLY 600,000 IN FIELD. The United Press learns that no

than 500,000 British troops are at the front in western Europe, on the Gallipoli Pan-insula and in Egypt. Less than 500,000 st these are in active service in France and these are in active service in France and Belgium. It will be impossible even for this comparatively small force under Be John French's command to be effectively used until England can obtain most rapid-firers. England is not so busy now applicable with the England can be seen as the service week the service and the service with the service and the service week that the service week that the service were service to the service week that the service were the service week that the service week that the service week that the service week that the service week the service week that the service week that the service week the service week that the service week the service week the service week the service we were the service week the service we were the service week the service week the service week the se making the much-needed guns as she is in turning out the machinery with which the guns must later be manufactured. Whether England ever can manufac-ture war munitions proportionate to the German output is beginning to be doubted German output is beginning to be doubted. The lack of organizing capacity Englishmen are showing is amazing. Even own nearly a year after the outbreak of the war, Woolwich Arsenal, London's great war munitions factory, is not running wits maximum capacity. Some of the mesemployed there are stock exchange brakers who work in an amazeurish way during Saturday half-holidays and on other casual occasions.

OUTPUT SMALL Lloyd-George recently estimated that Germany and Austria-Hungary are mak-ing 250,000 shells per day. The United Press learns that the British War Office experts estimate 250,000 shells per ment is the maximum capacity of all the far tories of Lancashire even under constitions of war-time pressure. Lancashire is England's leading manufacturing coun-

Beside making ammunition for the army, shells must also be produced for the British navy in huge quantities. Germany does not have to divert the outpit of her arsenals in this manner to anything like the same extent as does Easteand. The British fleet has fired an enormous quantity of shells during the Dandanelles operation alone which have is be replaced, and since the war begastengland's newly-built superdreadnoughts have made great demands for large-call-bre shells, the most difficult of all is manufacture. One of the reasons was the British army is so short of shells is the vital necessity for England to keep her fleet lavishly supplied with ammunition, as the first principle of her self-preservation.

preservation. COST \$15,000,000 A DAY.

COST \$15,000,000 A DAY.

The war is coating England \$15,000,000 a day. Each month of the war adds \$25,000,000 in interest charges that must be raised annually hereafter by increased taxation. If the national debt continues to pile up, and if, after months of walting, the accumulated shells fail to drive the Germans more than a few miles back toward their own territory, will the effort have been worth the cost?

British statesmen are beginning to \$88

have been worth the cost?

British statesmen are beginning to sist themselves this question without finding a satisfactory answer. The same question probably will soon be raised among the people at large. Then, when British public opinion begins to suspect the doubtful value of an interminable \$15.00. 600-a-day war, a compromise peace will be delayed only if the British army require more time to regain the world's respect



S1.00 Market Street Wharf
S1.00 Atlante City, Cape May, Will
Angleses, Stone Harber, Wildwell
Crest, Sea Lele City, Avalou
7:00 A. M. dally: aditional on Sundays, Milantic City 7:80 A. M.; Wildwood Brand
6:48 A. M.

\$1:25 Barnegat Pier, Bay Head, Pilos Pleasant, Manuaquan Sundays 7:30 A. M. Thursdays 7:00 A. M. \$1.25 Beach Haven - 7:12 A. M.

\$1.50 Ashury Park, Ocean Grove, Low Branch, Belmar, See Girt Sundays 110 A.M. Tuesdays 8150 A.M. Thursdays 1100 A.M.

\$1.50 Asbury Fark, Ocean Grove, Loss Wednesdays 7:03 A. M. Fridays 7:03 A. H.

\$1.50 Tulchester Bauch on Chespouke Bay Wednesday, August 18 \$2.00 Haltimers, The Measurement City

\$2.50 Washington, The Nation's Capital furniars, Angust 8, 52; September 8, 191 Stetober 2, 13, 51

\$2.50 Up the Hadron, Wrat Print of Thursdays, Angust 9, 50; Supp. 1, 55 Pennsylvania R.R.